

LAMPIRAN

Lampiran 1

Kebutuhan bahan & sewa peralatan

No	Uraian	Satuan	Harga
I	Harga Satuan Bahan		
1	Sirtu	m ³	Rp 140.000,00
2	Pasir urug	m ³	Rp 120.000,00
3	Pasir pasang halus	m ³	Rp 110.000,00
4	Pasir cor (beton) kasar	m ³	Rp 180.000,00
5	Batu belah	m ³	Rp 145.000,00
6	Tenslah Pecah Mesin 2-3 Cm	m ³	Rp 230.000,00
7	Batu Merah 5x11x22 cm	bj	Rp 550,00
8	Buis Beton U 30 Cm	bh	Rp 100.000,00
9	Buis Beton O 30 Cm	bh	Rp 150.000,00
10	Portland Semen	kg	Rp 1.250,00
11	Semen Warna	kg	Rp 1.750,00
12	Keramik Tile 60 x 60, Produksi ROMAN Sekwalitas	m ²	Rp 120.000,00
13	Keramik Tile 40 x 40, Produksi ROMAN Sekwalitas	m ²	Rp 95.000,00
14	Keramik Stepnosing 7x40 cm	Bh	Rp 20.000,00
15	Tegel Keramik 20 x 20, Roman atau sekualitas KW1	m ²	Rp 100.000,00
16	Tegel Keramik 25 x 40, ASIA atau sekualitas KW1	m ²	Rp 105.000,00
17	Batu Andesit 20 x 40	m ²	Rp 125.000,00
18	Genteng Beton WARNA HIJAU Glazuur	Bh	Rp 8.900,00
19	Bubungan Genteng Beton WARNA HIJAU Glazuur	Bh	Rp 22.000,00
20	Gypsum board 12 mm ex. Jayaboard	lbr	Rp 108.000,00
21	Gypsum board 9 mm ex. Jayaboard	lbr	Rp 65.000,00
22	Calsi board 4 mm ex. Jayaboard	lbr	Rp 75.000,00
23	List plafond gypsum 12 cm	m'	Rp 15.000,00
24	Besi beton polos	kg	Rp 8.500,00
25	Besi beton ulir	kg	Rp 9.500,00
26	Kawat Wiremesh M8 - 15	m ²	Rp 145.000,00
27	Besi Profil L, Canal	kg	Rp 16.000,00
28	Besi Profil WF / H	kg	Rp 17.000,00
29	kawat bendrat	kg	Rp 13.000,00
30	Paku Usuk 2" - 4"	kg	Rp 14.500,00
31	Paku Plafond	kg	Rp 14.500,00
32	Angkur baut HTB Ø 22	Bh	Rp 3.850,00
33	Profil Usuk UK-75 - 0.55 mm	m ¹	Rp 14.000,00
34	Reng R30 - 0.5 mm	m ¹	Rp 8.000,00

35	Plat kopel 0.50 mm	bh	Rp 750,00
36	Metal furing	m'	Rp 16.500,00
37	Wall Angle	m'	Rp 2.500,00
38	Root Hanger	Bh	Rp 6.000,00
39	Paku Mesiu	Bh	Rp 500,00
40	Lem kayu kuning	kg	Rp 30.250,00
41	Lem kayu putih ex rajawali	kg	Rp 17.600,00
42	Aluminium Profil Kusen 4" sekualitas <i>Indal</i>	m ¹	Rp 100.000,00
43	Aluminium Profil Pintu / Jendela sekualitas <i>Indal</i>	m ¹	Rp 110.000,00
44	Aluminium Profil Lis Kaca	m ¹	Rp 6.200,00
45	Kusen dan Pintu PVC Maspion	Unit	Rp 450.000,00
46	Skrup Fixer	bh	Rp 800,00
47	Meni Besi	kg	Rp 22.000,00
48	Plamir Tembok	kg	Rp 22.000,00
49	Cat tembok Penutup	kg	Rp 40.000,00
50	Cat dasar tembok	kg	Rp 30.000,00
51	Politur Jadi	ltr	Rp 78.000,00
52	Thiner	ltr	Rp 32.000,00
53	Vernis Batu Alam	ltr	Rp 55.000,00
54	Meni Kayu	ltr	Rp 22.000,00
55	Plamir Kayu	kg	Rp 18.000,00
56	Cat Kayu	kg	Rp 27.500,00
57	Thinner	Ltr	Rp 27.500,00
58	Stop Kran 1"	Bh	Rp 23.000,00
59	Sealant	Tube	Rp 30.000,00
60	Playwood Tebal 12 mm	Lbr	Rp 98.000,00
61	Besi Hollw 80.80.1	m'	Rp 175.000,00
62	Besi Hollw 40.40.1	m'	Rp 100.000,00
63	Besi Hollow 20.40.1	m'	Rp 75.000,00
64	Holow Stainless steel 5x5	m'	Rp 95.000,00
65	Holow Stainless steel 5x5 "	m'	Rp 90.000,00
66	Rangka alluminium penjepit kaca	m'	Rp 40.000,00
67	Kaca Rayband 8 mm	m2	Rp 175.000,00
68	Kuas 4"	Bh	Rp 17.500,00
69	Paku Klem (no.4)	Dos	Rp 28.000,00
70	Kertas Gosok	Lbr	Rp 5.000,00
71	Kayu meranti balok	m ³	Rp 4.500.000,00
72	Balok Kayu kamper	m ³	Rp 8.000.000,00
73	Kayu kamper papan	m ³	Rp 8.350.000,00
74	Kayu perancah	m ³	Rp 2.800.000,00
75	Multiplek 12 mm	lbr	Rp 110.000,00

76	Teakwood 4 mm	lbr	Rp 75.000,00
77	Dolken Kayu Galam, Ø (8-10)cm, panjang 4 m	btg	Rp 16.500,00
78	Kayu Papan Kelas III	m ³	Rp 2.750.000,00
79	Kayu Balok Kelas III	m ³	Rp 2.500.000,00
80	Minyak Begesting	ltr	Rp 17.000,00
81	Kaca Polos 5 mm	m ²	Rp 87.500,00
82	Kaca Tempert 12 mm	m ²	Rp 9.000.000,00
83	Engsel Casement	bh	Rp 45.000,00
84	Engsel pintu ex SOLID 4"	bh	Rp 30.000,00
85	Grendel Tanam ex SOLID	bh	Rp 75.000,00
86	Grendel Jendela	bh	Rp 20.000,00
87	Kunci Tanam 2x putar "Solid"	bh	Rp 150.000,00
88	Kunci Pintu KM/WC ex SOLID	bh	Rp 125.000,00
89	Handle Stainless steel L = 60 cm (standart)	Set	Rp 300.000,00
90	Seal Tape	bh	Rp 2.500,00
91	Air	ltr	Rp 100,00
92	Pipa PVC AW 4"	m ¹	Rp 45.000,00
93	Pipa PVC AW 3/4"	m ¹	Rp 8.600,00
94	Pipa PVC AW 1"	m ¹	Rp 14.200,00
95	Pipa PVC AW 1 1/4"	m ¹	Rp 17.000,00
96	Pipa PVC D 2"	m ¹	Rp 22.000,00
97	Pipa PVC D 3"	m ¹	Rp 38.000,00
98	Pipa PVC D 4"	m ¹	Rp 47.000,00
99	Pipa PVC AW 6"	m ¹	Rp 65.750,00
100	Kloset Duduk, TOTO atau sekualitas	bh	Rp 2.500.000,00
101	Kloset Jongkok, TOTO atau sekualitas (terpasang)	bh	Rp 600.000,00
102	Wastafel, TOTO atau sekualitas	bh	Rp 2.750.000,00
103	Urinoir, TOTO atau sekualitas	bh	Rp 1.750.000,00
104	Toilet Sprayer, TOTO atau sekualitas	bh	Rp 250.000,00
105	Gate Valve 1", KITAZAWA atau sekualitas	bh	Rp 300.000,00
106	Gate Valve Ø 2", KITAZAWA atau sekualitas	Bh	Rp 360.000,00
107	Gate Valve Ø 3", KITAZAWA atau sekualitas	Bh	Rp 475.000,00
108	Kran Air 1/2", DUPONT atau sekualitas	bh	Rp 45.000,00
109	Floor Drain Chrome / stainless steel	bh	Rp 45.000,00
110	Pipa GI φ 6"	M'	Rp 79.500,00
111	Pipa GI φ 4"	M'	Rp 60.500,00
112	Pipa Galvanis φ 1.5"	M'	Rp 25.250,00
113	Pipa Galvanis φ 1"	M'	Rp 9.950,00
114	Pipa Galvanis φ 3/4"	M'	Rp 8.200,00
115	Pipa Galvanis φ 1/2"	M'	Rp 6.600,00
116	Penggantung pipa L-40.40.4	Bh	Rp 10.380,00

117	Lampu TL 18 Watt (Philips)	bh	Rp 10.800,00
118	Lampu SL-Tornado 18 W (Philips)	bh	Rp 42.000,00
119	Lampu SL-Genie 8 W (Philips)	bh	Rp 30.000,00
120	Lampu Dinding Silindra UP 118 E27	bh	Rp 410.000,00
121	Lampu Baret SCB - SCR 32 W	bh	Rp 365.000,00
122	Lampu Halogen 75 Watt (Philips)	bh	Rp 125.000,00
123	Lampu RM T8 M1 2X36 -SCR	bh	Rp 540.000,00
124	Lampu RM T8 M1 1X36 -SCR	bh	Rp 425.000,00
125	Lampu RM T8 M1 2X18 -SCR	bh	Rp 415.000,00
126	Lampu RM T8 M1 1X18 -SCR	bh	Rp 315.000,00
127	Trafo TL 18 Watt (Philips)	bh	Rp 45.000,00
128	Trafo FCL 32 W (Philips)	bh	Rp 85.000,00
129	Kapasitor Lampu TL 18 Watt (Philips)	bh	Rp 55.000,00
130	Kapasitor Lampu FCL 32 W (Philips)	bh	Rp 75.000,00
131	Armature Type TKOU PRO PC F.BJB 2x18 Watt -SUWILITE	bh	Rp 550.000,00
132	Armature Type TKOU PRO PC F.BJB 1x18 Watt - SUWILITE	bh	Rp 375.000,00
133	Armature Type RMI T8 2x18 Watt - SUWILITE M1	bh	Rp 450.000,00
134	Armature Type RMI T8 1x18 Watt - SUWILITE M1	bh	Rp 350.000,00
135	LAMPU DOWNLIGHT RD 125 - SCR E27 Ess 14 Watt	bh	Rp 300.000,00
136	Lampu Floodlight Nk 2010 400 W	bh	Rp 2.900.000,00
137	Armature Lampu Dinding (Artolite)	bh	Rp 425.000,00
138	Armature Lampu Spot Light Type AMLC (Artolite)	bh	Rp 900.000,00
139	Bracket Plat Lampu Spot	bh	Rp 125.000,00
140	Armature Lampu Baret (Artolite)	bh	Rp 365.000,00
141	Fitting Lampu (Broco)	bh	Rp 25.000,00
142	Kabel NYM 2x2,5 mm2 (Supreme)	M'	Rp 5.000,00
143	Kabel NYM 3x2,5 mm2	M'	Rp 10.000,00
144	Kabel NYM 2x1,5 mm2 (Supreme)	M'	Rp 4.500,00
145	Kabel NYM 3x1,5 mm2 (Supreme)	M'	Rp 3.500,00
146	Kabel NYY 4x10 mm2 (Supreme)	M'	Rp 57.000,00
147	Kabel NYY 4x16 mm2 (Supreme)	M'	Rp 65.000,00
148	Kabel BC 16 mm2	M'	Rp 14.000,00
149	Kabel RG 6 - Belden	M'	Rp 24.500,00
150	Pipa PVC 5/8" (Maspion)	bh	Rp 7.000,00
151	Inbouw doos	bh	Rp 4.500,00
152	Tee doos	bh	Rp 3.750,00
153	Box Panel 50x70 cm2 (SAKA)	bh	Rp 540.000,00
154	MCB 1 Phase (MG)	bh	Rp 38.500,00
155	Lampu LED Indikator	bh	Rp 35.000,00
156	Volt meter	bh	Rp 50.000,00
157	Swich Selector	bh	Rp 76.000,00

158	NFB (Schneider)	bh	Rp 62.000,00
159	Saklar tunggal (Schneider) Type E 3031 V2 EWWW G3	bh	Rp 32.500,00
160	Saklar Ganda (Schneider) Type E 3032 V2 EWWW G3	bh	Rp 55.000,00
161	Stop Kontak 400 VA (Schneider) Type E 82426 16S EWWW G3	bh	Rp 45.000,00
162	Seng gelombang	m'	Rp 40.000,00
163	Stop Kontak AC (Panasonic)	bh	Rp 145.000,00
164	Minyak Cat	Ltr	Rp 27.500,00
165	Waterproofing	Kg	Rp 37.500,00
166	Serat Fiber	m2	Rp 9.000,00
167	Formite / Spacer	Bh	Rp 14.500,00
II	Harga Satuan Sewa Peralatan		
1	Sewa Dump Truck 5T min 5 jam	Jam	Rp 150.000,00
2	Sewa Escavator 6 M3	Jam	Rp 450.000,00
3	Sewa alat bantu strous pile	Jam	Rp 150.000,00

Lampiran 2

Perhitungan ES dan EF

$$EF = ES + \text{Waktu Aktivitas}$$

A	0	+	7	=	7
B	0	+	1	=	1
C	7	+	30	=	37
D	1	+	21	=	22
E	7	+	7	=	14
F	14	+	30	=	44
G	44	+	7	=	51
H	14	+	3	=	17
I	17	+	14	=	31
J	17	+	21	=	38
K	7	+	7	=	14
L	7	+	7	=	14
M	7	+	7	=	14
N	14	+	7	=	21
O	14	+	3	=	17
P	21	+	7	=	28
Q	14	+	7	=	21
R	28	+	7	=	35
S	17	+	7	=	24
T	7	+	45	=	52

U	21	+	14	=	35
V	22	+	14	=	36
W	68	+	14	=	82
X	7	+	15	=	22
Y	37	+	30	=	67
Z	67	+	14	=	81
AA	67	+	14	=	81
AB	22	+	15	=	37
AC	22	+	7	=	29
AD	29	+	7	=	36
AE	38	+	4	=	42
AF	42	+	2	=	44
AG	38	+	2	=	40
AH	7	+	7	=	14
AI	38	+	15	=	53
AJ	53	+	15	=	68
AK	68	+	7	=	75
AL	75	+	14	=	89
AM	75	+	14	=	89
AN	75	+	1	=	76
AO	0	+	7	=	7
AP	7	+	14	=	21
AQ	21	+	7	=	28
AR	21	+	2	=	23
AS	28	+	7	=	35
AT	0	+	30	=	30
AU	30	+	2	=	32
AV	32	+	2	=	34
AW	30	+	7	=	37
AX	37	+	2	=	39
AY	39	+	2	=	41
AZ	30	+	2	=	32
BA	76	+	7	=	83
BB	83	+	7	=	90
BC	90	+	2	=	92
BD	92	+	1	=	93
BE	76	+	2	=	78
BF	76	+	14	=	90
BG	90	+	7	=	97
BH	97	+	1	=	98
BI	98	+	1	=	99
BJ	99	+	2	=	101

BK	101	+	1	=	102
BL	102	+	1	=	103

Lampiran 3

Perhitungan LS dan LF

$$LS = LF - \text{Waktu Aktivitas}$$

A	7	-	7	=	0
B	7	-	1	=	6
C	59	-	30	=	29
D	89	-	21	=	68
E	66	-	7	=	59
F	96	-	30	=	66
G	103	-	7	=	96
H	17	-	3	=	14
I	103	-	14	=	89
J	38	-	21	=	17
K	96	-	7	=	89
L	96	-	7	=	89
M	82	-	7	=	75
N	89	-	7	=	82
O	96	-	3	=	93
P	96	-	7	=	89
Q	103	-	7	=	96
R	103	-	7	=	96
S	103	-	7	=	96
T	103	-	45	=	58
U	103	-	14	=	89
V	103	-	14	=	89
W	103	-	14	=	89
X	89	-	15	=	74
Y	89	-	30	=	59
Z	103	-	14	=	89
AA	103	-	14	=	89
AB	103	-	15	=	88
AC	96	-	7	=	89
AD	103	-	7	=	96
AE	101	-	4	=	97
AF	103	-	2	=	101
AG	103	-	2	=	101

AH	14	-	7	=	7
AI	53	-	15	=	38
AJ	68	-	15	=	53
AK	75	-	7	=	68
AL	103	-	14	=	89
AM	103	-	14	=	89
AN	76	-	1	=	75
AO	75	-	7	=	68
AP	89	-	14	=	75
AQ	96	-	7	=	89
AR	103	-	2	=	101
AS	103	-	7	=	96
AT	92	-	30	=	62
AU	101	-	2	=	99
AV	103	-	2	=	101
AW	99	-	7	=	92
AX	101	-	2	=	99
AY	103	-	2	=	101
AZ	103	-	2	=	101
BA	93	-	7	=	86
BB	100	-	7	=	93
BC	102	-	2	=	100
BD	103	-	1	=	102
BE	103	-	2	=	101
BF	90	-	14	=	76
BG	97	-	7	=	90
BH	98	-	1	=	97
BI	99	-	1	=	98
BJ	101	-	2	=	99
BK	102	-	1	=	101
BL	103	-	1	=	102